

Title (en)

TUBE FILLING MACHINE AND METHOD FOR SIMULTANEOUSLY FILLING DIFFERENT TYPES OF EMPTY TUBES

Title (de)

TUBENFÜLLMASCHINE UND VERFAHREN ZUM GLEICHZEITIGEN BEFÜLLEN VERSCHIEDENER TYPEN VON LEEREN TUBEN

Title (fr)

MACHINE DE REMPLISSAGE DE TUBES ET PROCÉDÉ DE REMPLISSAGE SIMULTANÉ DE DIFFÉRENTS TYPES DE TUBES VIDES

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Application

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Abstract (en)

[origin: WO2021107854A1] A tube filling machine (1) adapted to fill different types of empty tubes (18) simultaneously, where the filling machine (1) comprises a grouping device (11), a transfer device (9), a conveyor (7) and a filling device (29) comprising a plurality of filling nozzles (3, 4, 5, 6), where the grouping device (11) comprises a first supply tray (13) with a first type of tubes, a second supply tray (14) with a second type of tubes, a receiving tray (17) and a pick-up head (12), where the transfer device (9) is adapted to transfer a grouped row of empty tubes (18) from the receiving tray (17) to the conveyor (7), where the grouping device (11) is adapted to place a plurality of groups (21) of empty tubes adjacent each other in the receiving tray (17), where a group (21) comprises a row of the first type of tubes and a row of the second type of tubes, that the transfer device (9) is adapted to transfer a row of grouped empty tubes from the receiving tray (17) to the conveyor (9), and where the filling nozzles (3, 4, 5, 6) are adapted to fill the grouped empty tubes with different content. The invention also concerns a method for simultaneously filling different types of empty tubes with a content.

IPC 8 full level

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Citation (search report)

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- [Y] DE 202005019906 U1 20070426 - AUTEFA AUTOMATION GMBH [DE]
- [A] KR 20120004357 U 20120619
- See also references of WO 2021107854A1

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